

Converting Colors

$Y_{xy}(19.3250, 0.3551, 0.4425)$

Have a look what the booklet for
Yxy(19.3250, 0.3551, 0.4425)
contains.

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Color

Yxy(19.3380, 0.3552, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	708047
RGB	112, 128, 71
RGB Percent	44%, 50%, 28%
CMY	0.5607, 0.4980, 0.7216
CMYK	0.12, 0.00, 0.45, 0.50
HSL	77°, 29%, 39%
HSV	77°, 45%, 50%
XYZ	15.5404, 19.3380, 8.8727
YIQ	116.7180, 8.7610, -21.1190

Conversions

Conversions Part 2

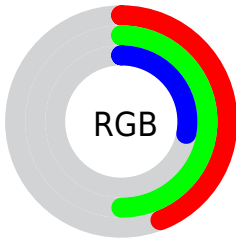
Format	Color
RYB	71, 128, 87
Decimal	7372871
CIELab	51.08, -15.73, 28.95
CIELCh	51, 32.946, 118.522
Yxy	19.3380, 0.3552, 0.4420
Android (android.graphics.Color)	4285562951 (0xFF708047)
YUV	116.7180, -22.5390, -4.1377
Hunter-Lab	43.9750, -13.8758, 18.8197

Details

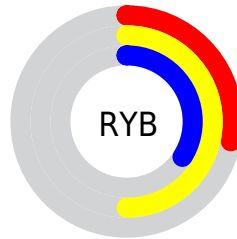
The Yxy color **19.3380, 0.3552, 0.4420** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0881, 0.2543, 0.2042**, and the grayscale version is **17.7675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4276, 0.3468, 0.4146**, and **6.7189, 0.3667, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **18.9608, 0.3627, 0.4670**, and if you desaturate by 10%, it is **19.7609, 0.3465, 0.4159**.

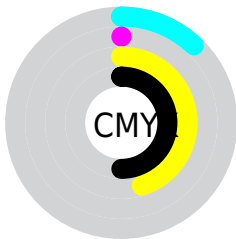
Distribution



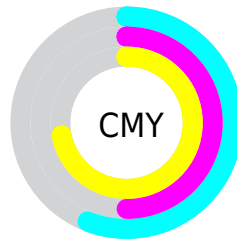
- Red (44%)
- Green (50%)
- Blue (28%)



- Red (28%)
- Yellow (50%)
- Blue (34%)



- Cyan (12%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)




- Cyan (56%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3380, 0.3552, 0.4420 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.3380, 0.3552, 0.4420 by changing the saturation by 10% instead.


 19.3380, 0.3552,
0.4420


 19.3380, 0.3552,
0.4420


248.3084, 0.3328,
0.3757


 11.9148, 0.3605,
0.4624


 42.3045, 0.3471,
0.4152


 6.6857, 0.3664,
0.4911


 58.6165, 0.3440,
0.4060

 3.2663, 0.3755,
0.5391

 78.6602, 0.3413,
0.3985

 1.2723, 0.3806,
0.6194

 102.8201, 0.3391,
0.3924

 0.1196, 0.0000,
1.0000

 131.4804, 0.3372,
0.3872

 0.0000, 0.0000,
0.0000

165.0256, 0.3355,

0.3828

203.8402, 0.3341,
0.3790

■ 19.3380, 0.3552,
0.4420

■ 19.3380, 0.3552,
0.4420

■ 18.9608, 0.3627,
0.4670

■ 19.7609, 0.3465,
0.4159

■ 18.6244, 0.3685,
0.4900

■ 20.2291, 0.3370,
0.3897

■ 18.3272, 0.3723,
0.5098

■ 20.7453, 0.3271,
0.3641

■ 18.0662, 0.3737,
0.5256

■ 21.3115, 0.3172,
0.3396

■ 17.8375, 0.3728,
0.5371

■ 21.9292, 0.3075,
0.3167

■ 17.7198, 0.3720,
0.5428

■ 22.6002, 0.2981,
0.2954

■ 23.3260, 0.2893,
0.2760

■ 24.1080, 0.2811,
0.2583

■ 24.9477, 0.2734,
0.2422

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.3380, 0.4068, 0.4242



19.3380, 0.3552, 0.4420



19.3380, 0.2950, 0.4217

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.3380, 0.3552, 0.4420



19.3380, 0.2037, 0.2576



19.3380, 0.3834, 0.2918

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.3380, 0.3552, 0.4420



8.0881, 0.2543, 0.2042

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.3380, 0.3214, 0.2560



19.3380, 0.3552, 0.4420



19.3380, 0.2216, 0.2352

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.3380, 0.3552, 0.4420



19.3380, 0.2106, 0.3040



19.3380, 0.2626, 0.2357



19.3380, 0.4264, 0.3370

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.3380, 0.3552, 0.4420



19.3380, 0.2582, 0.3876



19.3380, 0.2626, 0.2357



19.3380, 0.3637, 0.2785

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.3389, 0.3552, 0.4420



36.6454, 0.3258, 0.3610



11.7301, 0.4101, 0.3595



8.5368, 0.3277, 0.3658



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.3389, 0.3552, 0.4420



33.4046, 0.3625, 0.4663



17.7909, 0.3210, 0.4555



4.9608, 0.3217, 0.3506



17.5717, 0.3721, 0.5428



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



8.0881, 0.2543, 0.2042



11.0342, 0.2383, 0.1739



9.6879, 0.2964, 0.2179



4.2655, 0.3033, 0.3070



1.9156, 0.1705, 0.0713



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.3380, 0.3552, 0.4420 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 19.3380, 0.3552, 0.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3380, 0.3552, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 19.3380, 0.3552, 0.4420.



This preview shows how white text looks on a background with the Yxy color 19.3380, 0.3552, 0.4420.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.3380, 0.3552, 0.4420

Protanopia

19.3353, 0.3894, 0.4252

Deuteranopia

19.1882, 0.4078, 0.4010



Tritanopia

19.3065, 0.3003, 0.3104

Trichromacy



Original Color

19.3380, 0.3552, 0.4420

Protanomaly

19.2175, 0.3760, 0.4308

Deuteranomaly

18.9823, 0.3879, 0.4148

Tritanomaly

19.3013, 0.3211, 0.3582

Monochromacy



Original Color

19.3380, 0.3552, 0.4420

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.2397, 0.3296, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3380, 0.3552, 0.4420 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(112, 128, 71)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 71)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(112, 128, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 71) }
```

Border

The CSS property to change the border of an element to Yxy 19.3380, 0.3552, 0.4420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 128, 71) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(112, 128, 71) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(112, 128, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 71);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3380, 0.3552, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 71) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(112,  
128, 71) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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